

+

+

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible][illegible]

Examiner Signature	<i>Alvin L. L. L.</i>	Date Considered	9/8/2005
-----------------------	-----------------------	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	June 20, 2003
		First Named Inventor	Baskaran Chandrasekar
		Group Art Unit	
		Examiner Name	
Sheet 2 of 9	Attorney Docket Number	201267.90011	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	—	Akishita, M., et al., "Estrogen Inhibits Cuff-induced Intima Thickening of Rat Femoral Artery: Effects on Migration and Proliferation of Vascular Smooth Muscle Cells," Atherosclerosis 130:1-10, 1997.	
Amc	—	Albuquerque, M.L., et al., "Basic Fibroblast Growth Factor Release by Human Coronary Artery Endothelial Cells is Enhanced by Matrix Proteins, 17-beta Estradiol and a PKC Signaling Pathway," Exp. Cell Res. 245(1):163-169, 1998.	
Amc	—	Asahara, T., et al., "Local Delivery of Vascular Endothelial Growth Factor Accelerates Reendothelialization and Attenuates Intima Hyperplasia in Balloon-injured Rat Carotid Artery," Circulation 91(11):2793-2801, 1995.	
Amc	—	Bauriedel, G., et al., "Migratory Activity of Human Smooth Muscle Cells Cultivated from Coronary and Peripheral Primary and Restenotic Lesions Removed by Percutaneous Atherectomy," Circulation 85(2):554-564, 1992.	
Amc	—	Bonan, R., et al., "Coronary Restenosis: Evaluation of a Restenosis Injury Index in a Swine Model," Am. Heart J. 126(6):1334-1340, 1993.	
Amc	—	Brewster, M.E., et al., "Use of 2-hydroxypropyl-beta-cyclodextrin as a Solubilizing and Stabilizing Excipient for Protein Drugs," Pharm. Res. 8(6):792-795, 1991.	
Amc	—	Chandrasekar, B. and Tanquay, J.F., "Local Delivery of 17-beta Estradiol Decreases Neointima Hyperplasia Following Coronary Angioplasty in Porcine Model," (submitted for publication).	
Amc	—	Chandrasekar, B., et al., "Coronary Artery Endothelial Protection Following Local Delivery of 17-beta Estradiol During Balloon Angioplasty: A Potential New Pharmacological Approach to Improve Long-term Outcome of Angioplasty," J. Am. Coll. Cardiol. 35(2):58A, 2000.	
Amc	—	Chen, S.J., et al., "Estrogen Reduces Myointimal Proliferation after Balloon Injury of Rat Carotid Artery," Circulation 93(3):577-584, 1996.	
Amc	—	Chesebro, J.H., et al., "Restenosis after Arterial Angioplasty: A Hemorrhologic Response to Injury," Am. J. Cardiol. 60:10B-16B, 1987.	
Amc	—	Clowes, A.W., et al., "Kinetics of Cellular Proliferation after Arterial Injury: Smooth Muscle Cell Growth in the Absence of Endothelium," Lab. Invest. 49(3):327-333, 1983.	

Examiner Signature <i>Megan Cotton</i>	Date Considered <i>9/8/03</i>
--	-------------------------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	June 20, 2003
		First Named Inventor	Baskaran Chandrasekar
		Group Art Unit	
		Examiner Name	
Sheet 3 of 9	Attorney Docket Number	201267.90011	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	—	Collins, P., et al., Hemoglobin Inhibits Endothelium-dependent Relaxation to Acetylcholine in Human Coronary Arteries In Vivo," Circulation 87(1):80-85, 1993.	
Amc	—	Cooke, J.P. and Tsao, P.S., "Cytoprotective Effects of Nitric Oxide," Circulation 88(5):2451-2454, 1993.	
Amc	—	Cornwell, T.L., et al., "Inhibition of Smooth Muscle Cell Growth by Nitric Oxide and Activation of cAMP-dependent Protein Kinase by cGMP," Am. J. Physiol. 267:C1405-C1413, 1994.	
Amc	—	Currier, J.W. and Faxon, D.P., "Restenosis after Percutaneous Transluminal Coronary Angioplasty: Have We Been Aiming at the Wrong Target?" J. Am. Coll. Cardiol. 25(2):516-520, 1995.	
Amc	—	Dai-Do, D., et al., "17-Beta Estradiol Inhibits Proliferation and Migration of Human Vascular Smooth Muscle Cells: Similar Effects in Cells from Postmenopausal Females and in Males," Cardiovas. Res. 32:980-985, 1996.	
Amc	—	Dangas, G., and Fuster, V., "Management of Restenosis after Coronary Intervention," Am. Heart J. 132(2):428-436, 1996.	
Amc	—	Doenicke, A., et al., "A Comparison of Two Formulations for Etomidate, 2-hydroxypropyl-beta-cyclodextrin (HPCD) and Propylene Glycol," Anesth. Analg. 79:933-939, 1994.	
Amc	—	Fischell, T.A., et al., "Coronary Artery Vasoconstriction Routinely occurs after Percutaneous Transluminal Coronary Angioplasty: A Quantitative Arteriographic Analysis," Circulation 78(6):1323-1334, 1988.	
Amc	—	Foegh, M.L., et al., "Estradiol Inhibition of Arterial Neointima Hyperplasia after Balloon Injury," J. Vasc. Surg. 19(4):722-726, 1994.	
Amc	—	Frijlink, H.W., et al., "The Pharmacokinetics of Beta-cyclodextrin and 2-hydroxypropyl-beta-cyclodextrin in the Rat," Pharm. Res. 7(12):1248-1252, 1990.	
Amc	—	Furchgott, R.F. and Zawadzki, J.V., "The Obligatory Role of Endothelial Cells in the Relaxation of Arterial Smooth Muscle by Acetylcholine," Nature 288:373-376, 1980.	

Examiner Signature <i>Alvin L. Latta</i>	Date Considered <i>9/8/2008</i>
--	---------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	
		Filing Date	June 20, 2003
		First Named Inventor	Baskaran Chandrasekar
		Group Art Unit	
		Examiner Name	
Sheet	4	of	9
		Attorney Docket Number	201267.90011

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	✓	Geary, R.L., et al., "Conjugated Equine Estrogens Inhibit Progression of Atherosclerosis but have no Effect on Intimal Hyperplasia or Arterial Remodeling Induced by Balloon Catheter Injury in Monkeys," J. Am. Coll. Cardiol. 31(5):1158-1164, 1998.	
Amc	✓	Gilligan, D.M., et al., "Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women," Circulation 89(6):2545-2551, 1994.	
Amc	✓	Hayashi, Y., et al., "Functional and Anatomical Recovery of Endothelium after Denudation of Coronary Artery," Am. Physiol. Soc. H1081-H1090, 1988.	
Amc	✓	Hayashi, T., et al., "Estrogen Increases Endothelial Nitric Oxide by a Receptor-mediated System," Biochem. Biophys. Res. Commun. 214(3):847-855, 1995.	
Amc	✓	Hishikawa, K., et al., "Up-regulation of Nitric Oxide Synthase by Estradiol in Human Aortic Endothelial Cells," FEBS Let. 360:291-293, 1995.	
Amc	✓	Hoon, T.J., et al., "Bioequivalence of a 17-beta Estradiol Hydroxypropyl-beta-cyclodextrin Complex in Postmenopausal Women," J. Clin. Pharmacol. 33:1116-1121, 1993.	
Amc	✓	Hyder, S.M., et al., "Uterine Expression of Vascular Endothelial Growth Factor is Increased by Estradiol and Tamoxifen," Cancer Res. 56(17):3954-3960, 1996.	
Amc	✓	Iafrati, M.D., et al., "Estrogen Inhibits the Vascular Injury Response in Estrogen Receptor alpha-deficient Mice," Nat. Med. 3(5):545-548, 1997.	
Amc	✓	Karas, R.H., et al., "Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor," Circulation 89(5):1943-1950, 1994.	
Amc	✓	Karas, S.P., et al., "Coronary Intimal Proliferation after Balloon Injury and Stenting in Swine: An Animal Model of Restenosis," J. Am. Coll. Cardiol. 20(2):467-474, 1992.	
Amc	✓	Kauffman, R.F., et al., "Comparative Effects of Local vs. Systemic Administration of Estrogen upon Vascular Responses to Balloon Injury," Circulation 92(8):1628, 1995.	

Examiner Signature <i>Alegand T. Hoon</i>	Date Considered <i>9/8/2003</i>
---	---------------------------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	
		Filing Date	June 20, 2003
		First Named Inventor	Baskaran Chandrasekar
		Group Art Unit	
		Examiner Name	
Sheet 5 of 9	Attorney Docket Number	201267.90011	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	✓	Kawana, H., et al., "Gender Differences in Improvement of Endothelium-dependent Vasodilation after Estrogen Supplementation," J. Am. Coll. Cardio. 30(4):914-919, 1997.	
Amc	✓	Keany, J.F., et al., "17-Beta-estradiol Preserves Endothelial Vasodilator Function and Limits Low-density Lipoprotein Oxidation in Hypercholesterolemic Swine," Circulation 89(5):2251-2259, 1994.	
Amc	✓	Kim-Schulze, S., et al., "Expression of An Estrogen Receptor by Human Coronary Artery and Umbilical Vein Endothelial Cells," Circulation 94(6):1402-1407, 1996.	
Amc	✓	Kim-Schulze, S., et al., "Estrogen Stimulates Delayed Mitogen-Activated Protein Kinase Activity in Human Endothelial Cells via an Autocrine Loop that Involves Basic Fibroblast Growth Factor," Circulation 98:413-421, 1998.	
Amc	✓	King, S.B., III, et al., "Endovascular Beta-radiation to Reduce Restenosis after Coronary Balloon Angioplasty: Results of the Beta Energy Restenosis Trial (BERT)," Circulation 97:2025-2030, 1998.	
Amc	✓	Kolodgie, F.D., et al., "Estradiol Attenuates Directed Migration of Vascular Smooth Muscle Cells In Vitro," Am. J. Pathol. 148(3):969-976, 1996.	
Amc	✓	Kraskinski, K., et al., "Estradiol Accelerates Functional Endothelial Recovery after Arterial Injury," Circulation 95(7):1768-1772, 1997.	
Amc	✓	Kristensson, J.K., et al., "Dexamethasone-cyclodextrin-polymer Co-complexes in Aqueous Eye Drops: Aqueous Humor Pharmacokinetics in Humans," Invest. Ophthalmol. Vis. Sci. 37(6):1199-1203, 1996.	
Amc	✓	Kublick, H., et al., "Nasal Absorption of 17-beta-estradiol from Different Cyclodextrin Inclusion Formulations in Sheep," Eur. J. Pharma. Biopharm. 42(6):320-324, 1996.	
Amc	✓	Kuiper, G.G.J.M., et al., "Cloning of a Novel Estrogen Receptor Expressed in Rat Prostate and Ovary," Proc. Natl. Acad. Sci. USA 93:5925-5930, 1996.	
Amc	✓	Kullo, I.J., et al., "Enhanced Endothelium-dependent Relaxations after Gene Transfer of Recombinant Endothelial Nitric Oxide Synthase to Rabbit Carotid Arteries," Hypertension 30(3):314-320, 1997.	

Examiner Signature	<i>[Signature]</i>	Date Considered	7/8/2003
--------------------	--------------------	-----------------	----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
Application Number		Filing Date	
First Named Inventor		Group Art Unit	
Examiner Name		Attorney Docket Number	
Sheet	6	of	9
		June 20, 2003 Baskaran Chandrasekar	
		201267.90011	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	✓	Levine, R.L., et al., "Medroxyprogesterone Attenuates Estrogen-mediated Inhibition of Neointima Formation after Balloon Injury of the Rat Carotid Artery," Circulation 94(9):2221-2227, 1996.	
Amc	✓	Lindner, V., et al., "Regrowth of Arterial Endothelium: Denudation with Minimal Trauma Leads to Complete Endothelial Cell Growth," Lab. Invest. 61(5):556-563, 1989.	
Amc	✓	Lindner, V., et al., "Basic Fibroblast Growth Factor Stimulates Endothelial Regrowth and Proliferation in Denuded Arteries," J. Clin. Invest. 85:2004-2008, 1990.	
Amc	✓	Lindner, V., et al., "Increased Expression of Estrogen Receptor- α mRNA in Male Blood Vessels after Vascular Injury," Cir. Res. 83:224-229, 1998.	
Amc	✓	Losordo, D.W., et al., "Variable Expression of the Estrogen Receptor in Normal and Atherosclerotic Coronary Arteries of Premenopausal Women," Circulation 89(4):1501-1510, 1994.	
Amc	✓	Ludmer, P.L., et al., "Paradoxical Vasoconstriction Induced by Acetylcholine in Atherosclerotic Coronary Arteries," N. Eng. J. Med. 315(17):1046-1051, 1986.	
Amc	✓	MacRitchie, A.N., et al., "Estrogen Upregulates Endothelial Nitric Oxide Synthase Gene Expression in Fetal Pulmonary Artery Endothelium," Cir. Res. 81(3):355-362, 1997.	
Amc	✓	Malekianpour, M., et al., "Abnormal Coronary Vasomotion and Angina after Successful Coronary Angioplasty," Circulation 94(8):1-560, 1996 (Abstract).	
Amc	✓	Mancini, G.B.J., et al., "Automated Quantitative Coronary Arteriography: Morphologic and Functional Validation In Vivo of a Rapid Digital Angiographic Method," Circulation 75(2):452-460, 1987.	
Amc	✓	McLaren, J., et al., "Vascular Endothelial Growth Factor is Produced by Peritoneal Fluid Macrophages in Endometriosis and is Regulated by Ovarian Steroids," J. Clin. Invest. 98(2):482-489, 1996.	
Amc	✓	Mendolsohn, M.E. and Karas, R.H., "Estrogen and the Blood Vessel Wall," Curr. Opin. Cardiol. 9:619-626, 1994.	

Examiner Signature		Date Considered	9/8/2008
--------------------	--	-----------------	----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
Application Number			
Filing Date	June 20, 2003		
First Named Inventor	Baskaran Chandrasekar		
Group Art Unit			
Examiner Name			
Attorney Docket Number	201267.90011		
Sheet	7	of	9

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	—	Mikkola, T., et al., "17-Beta-estradiol Stimulates Prostacyclin, but not Endothelin-1, Production in Human Vascular Endothelial Cells," J. Clin. Endocrin. Metab. 80(6):1832-1836, 1995.	
Amc	—	Mikkola, T., et al., "Effect of Physiological Concentrations of Estradiol on PGI-2 and NO in Endothelial Cells," 25(2):141-147, 1996.	
Amc	—	Morales, D.E., et al., "Estrogen Promotes Angiogenic Activity in Human Umbilical Vein Endothelial Cells In Vitro and in a Murine Model," Circulation 91(3):755-763, 1995.	
Amc	—	Mori, T., et al., "Short Term Estrogen Treatment Prior to and Following Balloon Injury of Rat Carotid Artery Effectively Blunts the Vascular Injury Response," J. Am. Coll. Cardiol. 33(2 Supp. 1): 267A, 1999 (Abstract).	
Amc	—	Mosselman, S., et al., "ERB: Identification and Characterization of a Novel Human Estrogen Receptor," FEBS Let. 392:49-53, 1996.	
Amc	—	Moura, A., et al., Intramural Delivery of Agent via a Novel Drug-delivery Sleeve: Histological and Functional Evaluation," Circulation 92(8):2299-2305, 1995.	
Amc	—	O'Brien, J.E., et al., "Relation Between Estrogen Replacement Therapy and Restenosis after Percutaneous Coronary Interventions," J. Am. Coll. Cardiol. 28(5):1111-1118, 1996.	
Amc	—	O'Keefe, J.H., et al., "Estrogen Replacement Therapy after Coronary Angioplasty in Women," J. Am. Coll. Cardiol. 29(1):1-5, 1997.	
Amc	—	Oparil, S., et al., "Sexually Dimorphic Response of the Balloon-injured Rat Carotid Artery to Hormone Treatment," Circulation 95(5):1301-1307, 1997.	
Amc	—	Perrot-Applanat, M., "Questradiol and Proliferation of Vascular Cells," 54(3):333-337, 1999.	
Amc	—	Post, M.J., et al., "The Relative Importance of Arterial Remodeling Compared with Intimal Hyperplasia in Lumen Renarrowing after Balloon Angioplasty," Circulation 89(6):2816-2821, 1994.	

Examiner Signature	Date Considered 9/8/2003
--------------------	--------------------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	
			Filing Date	
			First Named Inventor	
			Group Art Unit	
			Examiner Name	
Sheet 8 of 9			Attorney Docket Number	
			201267.90011	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Ame	✓	Reis, S.E., et al., "Ethinyl Estradiol Acutely Attenuates Abnormal Coronary Vasomotor Responses to Acetylcholine in Postmenopausal Women," <i>Circulation</i> 89(1):52-60, 1994.	
Ame	✓	Roselli, M., et al., "Circulating Nitric Oxide (Nitrite/Nitrate) Levels in Postmenopausal Women Substituted with 17-beta-estradiol and Norethisterone Acetate: A Two-year Follow-up Study," <i>Hypertension</i> 25(2):848-853, 1995.	
Ame	✓	Sarkar, R., et al., "Nitric Oxide Reversibly Inhibits the Migration of Cultured Vascular Smooth Muscle Cells," <i>Cir. Res.</i> 78(2):225-230, 1996.	
Ame	✓	Selzman, C.H., et al., "Estrogen Replacement Inhibits Intimal Hyperplasia and the Accumulation and Effects of Transforming Growth Factor Beta1," <i>J. Surg. Res.</i> 80(2):380-385, 1998.	
Ame	✓	Seo, K.K., et al., "Involvement of Endothelial Nitric Oxide Synthase in the Impaired Endothelium-dependent Relaxation of Cavernous Smooth Muscle in Hypercholesterolemic Rabbit," <i>J. Androl.</i> 20(2):298-306, 1999.	
Ame	✓	Shimokawa, H., et al., "Porcine Coronary Arteries with Regenerated Endothelium have a Reduced Endothelium-dependent Responsiveness to Aggregating Platelets and Serotonin," <i>Cir. Res.</i> 61(2):256-270, 1987.	
Ame	✓	Speir, E., et al., "Estrogen Inhibits Transcription Factor and Cell Adhesion Molecule Activation in Cytokine-stimulated Human Coronary Smooth Muscle Cell via Antioxidant Effects," <i>Circulation Suppl.</i> 1:1-220, 1998 (Abstract).	
Ame	✓	Spyridopoulos, I., et al., "Estrogen-receptor-mediated Inhibition of Human Endothelial Cell Apoptosis: Estradiol as a Survival Factor," <i>Circulation</i> 95(6):1505-1514, 1997.	
Ame	✓	Sullivan, T.R., Jr., et al., "Estrogen Inhibits the Response-to-injury in a Mouse Carotid Artery Model," <i>J. Clin. Invest.</i> 96:2482-2488, 1995.	
Ame	✓	Tanaka, H., et al., "Sustained Activation of Vascular Cells and Leukocytes in the Rabbit Aorta after Balloon Injury," <i>Circulation</i> 88(4):1788-1803, 1993	
Ame	✓	Tanaka, H., et al., "Proliferating Arterial Smooth Muscle Cells after Balloon Injury Express TNF-alpha but not Interleukin-1 or Basic Fibroblast Growth Factor," <i>Arterioscler. Thromb. Vasc. Biol.</i> 16(1):12-18, 1996.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449B/PTO</p> <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p>		<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td style="width: 50%;"></td></tr><tr><td>Filing Date</td><td>June 20, 2003</td></tr><tr><td>First Named Inventor</td><td>Baskaran Chandrasekar</td></tr><tr><td>Group Art Unit</td><td></td></tr><tr><td>Examiner Name</td><td></td></tr><tr><td>Attorney Docket Number</td><td>201267.90011</td></tr></table>		Application Number		Filing Date	June 20, 2003	First Named Inventor	Baskaran Chandrasekar	Group Art Unit		Examiner Name		Attorney Docket Number	201267.90011
Application Number															
Filing Date	June 20, 2003														
First Named Inventor	Baskaran Chandrasekar														
Group Art Unit															
Examiner Name															
Attorney Docket Number	201267.90011														
Sheet	9	of	9												

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Amc	—	Teirstein, P.S., "Catheter-based Radiotherapy to Inhibit Restenosis after Coronary Stenting," N. Engl. J. Med. 336(24):1697-1703, 1997.	
Amc	—	Varenne, O., et al., "Local Adenovirus-mediated Transfer to Human Endothelial Nitric Oxide Synthase Reduces Liminal Narrowing After Coronary Angioplasty in Pigs," Circulation 98:916-926, 1998.	
Amc	—	Venkov, C.D., et al., "Identification of Authentic Estrogen Receptor in Cultured Endothelial Cells: A Potential Mechanism for Steroid Hormone Regulation of Endothelial Function," Circulation 94(4):727-733, 1996.	
Amc	—	Weiner, C.P., et al., "Induction of Calcium-dependent Nitric Oxide Synthases by Sex Hormones," Proc. Natl. Acad. Sci. USA 91:5212-5216, 1994.	
Amc	—	Wellman, G.C., et al., "Gender Differences in Coronary Artery Diameter Involve Estrogen, Nitric Oxide, and Ca ²⁺ -dependent K ⁺ Channels," Circ. Res. 79(5):1024-1030, 1996.	
Amc	—	Williams, J.K., et al., "Short-term Administration of Estrogen and Vascular Responses of Atherosclerotic Coronary Arteries," J. Am. Coll. Cardio. 20(2):452-457, 1992.	
Amc	—	Yoon Young-Sup, et al., "Local Intraluminal Infusion of Oestradiol Containing Liposome in Rat Carotid Balloon Injury Model," Eur. Heart J. 19:616, 1998.	
Amc	—	Zhang, Y.-Q., et al., "Effects of Gender and Estradiol Treatment on Focal Brain Ischemia," Brain Res. 784(1/2):321-324, 1998.	

Examiner Signature	Date Considered 9/8/2003
-----------------------	-----------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

5430553_1.PDF